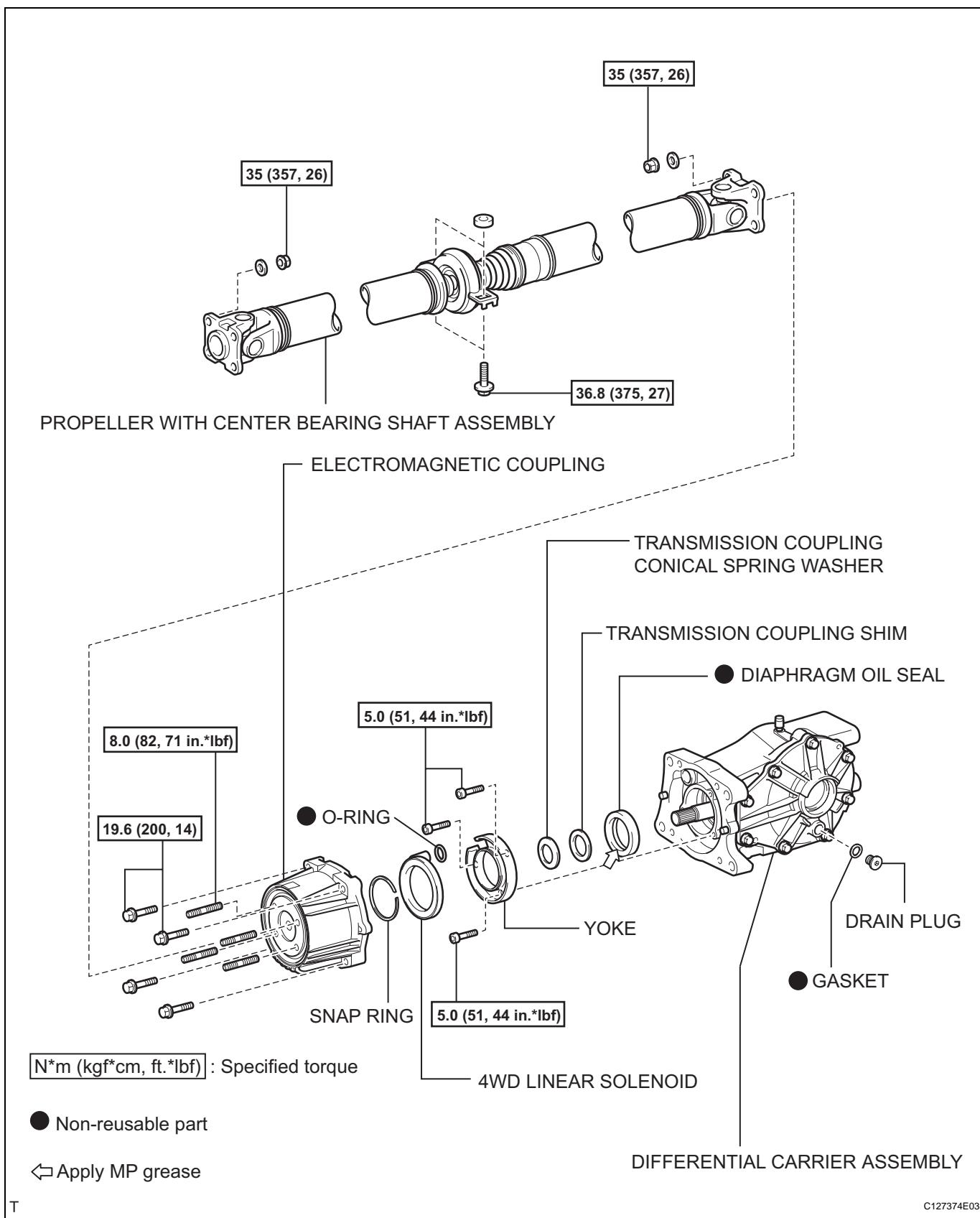
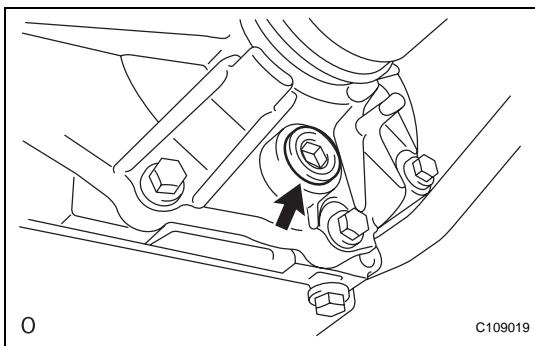


DIAPHRAGM OIL SEAL

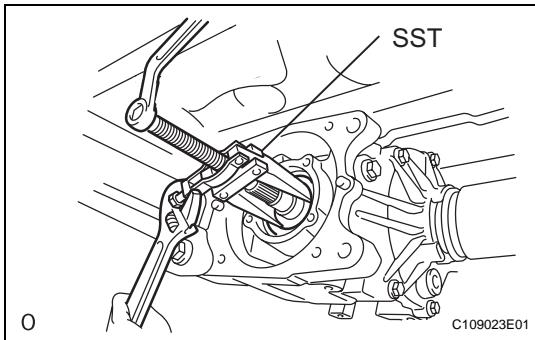
COMPONENTS



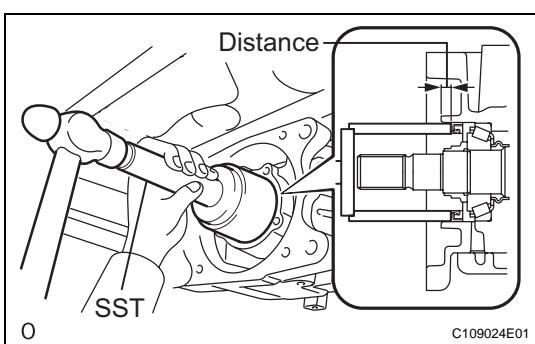


REMOVAL

1. **DRAIN DIFFERENTIAL OIL**
 - (a) Using a 10 mm socket hexagon wrench, remove the rear differential drain plug and gasket, and drain the oil.
 - (b) Install a new gasket to the rear differential drain plug.
 - (c) Using a 10 mm socket hexagon wrench, install the rear differential drain plug and gasket.
2. **REMOVE PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY (See page PR-3)**
3. **REMOVE ELECTROMAGNETIC COUPLING (See page DF-21)**
4. **REMOVE 4WD LINEAR SOLENOID (See page DF-22)**
5. **REMOVE YOKE (See page DF-22)**
6. **REMOVE TRANSMISSION COUPLING CONICAL SPRING WASHER (See page DF-22)**
7. **REMOVE TRANSMISSION COUPLING SHIM (See page DF-22)**
8. **REMOVE DIAPHRAGM OIL SEAL**
 - (a) Using SST, remove the oil seal from the rear differential carrier.
SST 09308-10010



INSTALLATION



1. INSTALL DIAPHRAGM OIL SEAL

- (a) Apply a light coat of MP grease No. 2 to the lip of a new diaphragm oil seal.
- (b) Using SST and a hammer, tap the diaphragm oil seal into the rear differential carrier according to the specification.
SST 09710-30021 (09710-03121), 09950-60010 (09951-00570), 09950-70010 (09951-07100)

Standard distance:

7.0 ± 0.5 mm (0.28 ± 0.02 in.)

2. **INSTALL TRANSMISSION COUPLING SHIM (See page DF-41)**
3. **INSTALL TRANSMISSION COUPLING CONICAL SPRING WASHER (See page DF-41)**
4. **INSTALL YOKE (See page DF-41)**
5. **INSTALL 4WD LINEAR SOLENOID (See page DF-41)**

6. INSTALL ELECTROMAGNETIC COUPLING (See page DF-42)
7. TEMPORARILY INSTALL PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY (See page PR-5)
8. FULLY TIGHTEN PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY (See page PR-6)
9. INSPECT AND ADJUST JOINT ANGLE (See page PR-4)
10. ADD DIFFERENTIAL OIL
 - (a) Add differential oil (see page DF-3).
11. CHECK FOR DIFFERENTIAL OIL LEAKAGE
If gas is leaking, tighten the areas necessary to stop the leak. Replace damaged parts as necessary.

DF